

Karina Karintox 70 Polyolefin Compound

Category : Polymer , Thermoplastic , Polyolefin , Polyolefin, Wire/Cable Grade

Material Notes:

Halogen free, fire retardant, low smoke and fume polyolefinic compound. Recommended for insulation of electrical cables up to 1KV. Information provided by Karina Indústria e Comércio de Plásticos Ltda.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Karina-Karintox-70-Polyolefin-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 - 1.53 g/cc	1.47 - 1.53 g/cc	ASTM D 792
Moisture Absorption	<= 0.0600 %	<= 0.0600 %	ME-52
ASTM Color	-1.85 - 1.15	-1.85 - 1.15	Color A, ME 12
	-1.71 - 1.29	-1.71 - 1.29	Color B, ME 12
	78.78 - 81.78	78.78 - 81.78	Color L, ME 12

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90 - 94	90 - 94	ASTM D 2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	>= 10.0 MPa	>= 1450 psi	After 168 H in Air Oven at 80°C; NBR NM-IEC 60811-1-2
	>= 12.6 MPa	>= 1820 psi	NBR NM-IEC 60811-1-1
Elongation at Break	>= 100 %	>= 100 %	After 168H in Air Oven at 80°C; NBR NM-IEC 60811-1-2
	>= 120 %	>= 120 %	NBR NM-IEC 60811-1-1

Thermal Properties	Metric	English	Comments
Flammability Test	81	81	% Transmittance - Smoke Density Test; NBR 11300
Oxygen Index	>= 36 %	>= 36 %	ASTM D 2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 3.00e+14 ohm-cm	>= 3.00e+14 ohm-cm	ASTM D 257

Descriptive Properties	Value	Comments
Application	70 Grades	

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Corrosivity of Gases	4	pH (NBR 11633)
	9,2.00	Conductivity, mg/g (NBR 11633)
Halogen Acid Gas Evolution (mg/g)	0	NBR 10495
Maximum Variation of Elongation (%)	20	NBR NM-IEC 60811-1-2
Maximum Variation of Tensile Strength (%)	20	NBR NM-IEC 60811-1-2
Toxicity Index	1,48.00	NBR 12139

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